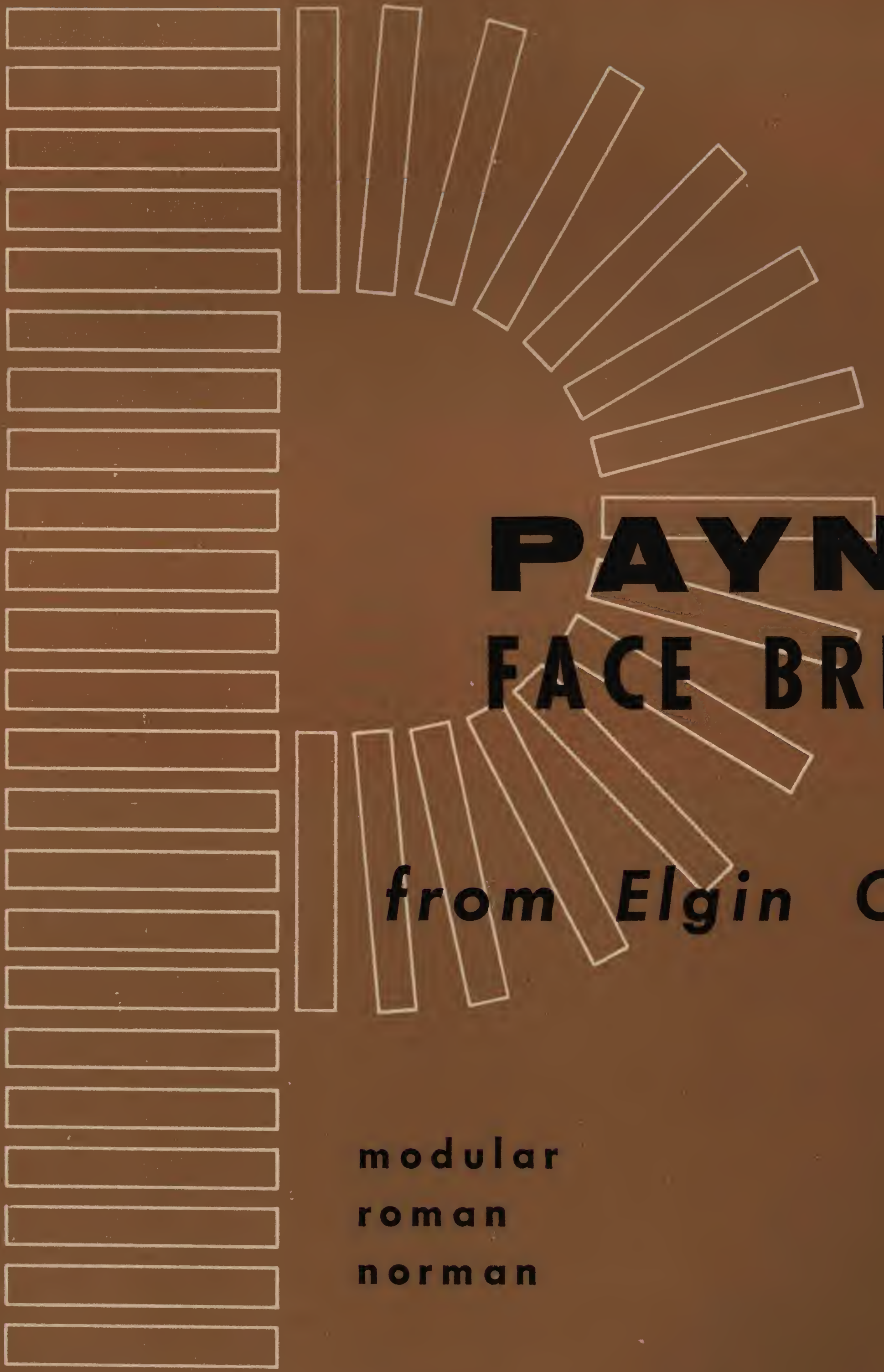


PAYNE
FACE BRICK

from Elgin Clay

modular
roman
norman

PAYNE BRICK COMPANY
Box 189, Elgin, Texas

Payne Brick

Because of its durability and excellent protective qualities, hard burned clay masonry has long been the yardstick of quality for exterior facing materials. Payne offers an attractive face brick produced to exacting standards of material, size and quality. Made from Elgin clay, Payne Face Brick contains a relatively low silica content and a high alumina content for utmost durability. (See test at right). Payne Face Brick is available in a range of size, color, and texture to meet every need of today's construction.

manufacturing plant

Recently completed, and of the most modern engineered design, the Payne Brick tunnel kiln incorporates every proven technological advance to produce face brick of the highest quality. The new tunnel kiln assures face brick of accurate size within very close tolerance. The kiln can produce fifty thousand bricks per day of production and completes a production cycle—make, dry, burn—in one week's time. Thus, adequate capacity and prompt handling of orders are assured.

clay analysis

**Test conducted by the Bruce Williams Laboratories*

Composition		%
Moisture at 105°C	H_2O	3.26
Ignition loss (less carbon and carbon dioxide)		7.22
Silica	SiO_2	61.58
Alumina	Al_2O_3	22.53
Ferric Oxide	Fe_2O_3	1.60
Titanium Oxide	TiO_2	1.54
Phosphorus Pentoxide	P_2O_5	0.15
Manganese Dioxide	MnO_2	0.11
Calcium Oxide	CaO	0.08
Magnesium Oxide	MgO	0.16
Sodium Oxide	Na_2O	0.46
Potassium Oxide	K_2O	0.74
Sulphur Trioxide	SO_3	0.10
Carbon	C	0.19
Carbon Dioxide	CO_2	0.11
Undetermined		0.07

*Pyrometric Cone Equivalent 2876°F = 1580°C

types

Three types of Payne Face Brick are produced:

Modular—Payne Modular Face Brick is carefully produced to close size tolerance to coordinate with all modular building materials.

Roman—Payne Roman, with its nominal 2" x 12" face, finds favor wherever strong horizontal lines are required for a desired architectural effect.

Norman—Payne Norman provides a similar horizontality and is well scaled for modern structures of all types.

colors

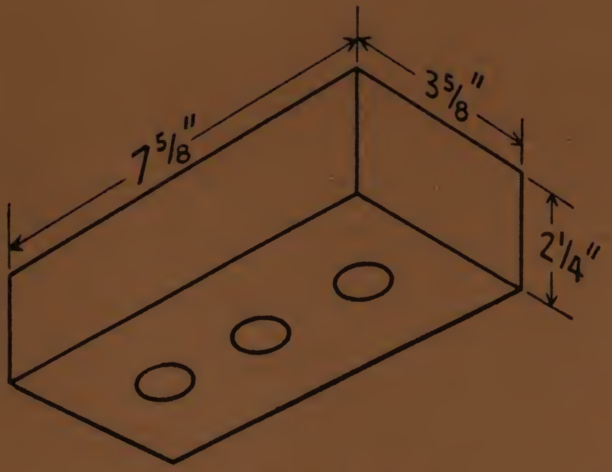
Payne Face Brick of Elgin Clay is available in appealing buff and pink* ranges ideally suited to complement the best in present day architecture.

textures

All colors and types available in a choice of Mat-face (vertical scratch) or Velour.

*Pinks not recommended for use in northern climate.

sizes



Modular Face

compression strength tests

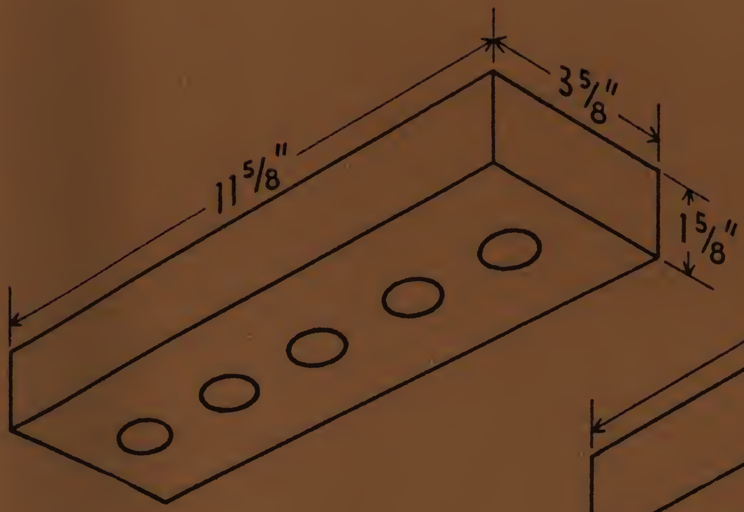
Tests of Payne Face Brick—3 core units—by Texas Testing Laboratories, Inc. Method of test: ASTM C67-50

Specimen	(half brick-flatwise) Aver. Gross Area sq. in.	Total Load Pounds	Pounds per sq. in.	Specification Requirements
1	14.50	181,840	12,541	Average of 5 2500 psi. Min. Individual 2200 psi. Min.
2	13.36	156,490	11,713	
3	12.47	188,600	15,124	
4	13.80	201,470	14,599	
5	12.91	146,920	11,380	
Average			13,071	

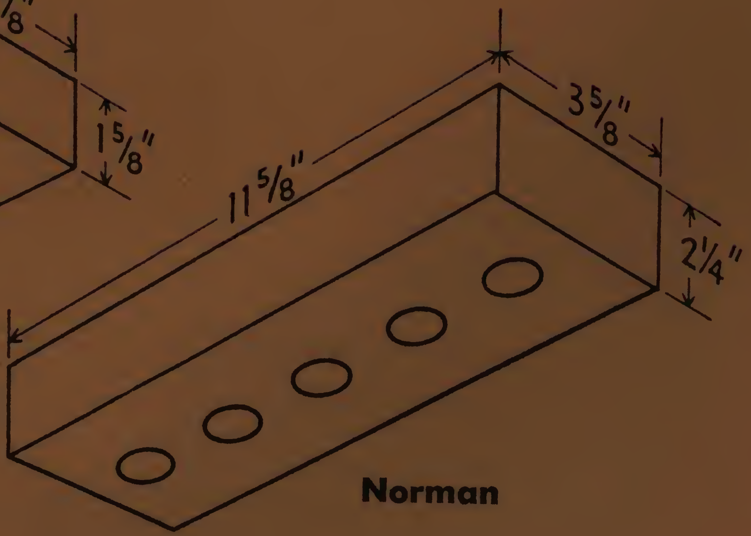
absorption tests

Texas Testing Laboratories, Inc.

Specimen	24 hours cold water	5 hours boiling water	Saturating Coefficient (C/B)	Specification Requirements
1a	6.81 %	8.08 %	0.84	Average of 5 22.00 % -Max.-0.88 Individual 25.00 % -Max.-0.90
2a	6.79	8.00	0.85	
3a	6.51	7.83	0.83	
4a	6.42	7.95	0.81	
5a	7.10	8.69	0.82	
Average	6.73 %	8.11 %	0.83	



Roman



Norman

PAYNE **FACE** **BRICK**

vertical coursing / 3/8" mortar joints*

units	height		
	MODULAR	ROMAN	NORMAN
1	0–2 ⅔	0–2	0–2 ⅝
2	0–5 ⅓	0–4	0–5 ¼
3	0–8	0–6	0–7 ⅞
4	0–10 ⅔	0–8	0–10 ½
5	1–1 ⅓	0–10	1–1 ⅛
6	1–4	1–0	1–3 ¾
7	1–6 ⅔	1–2	1–6 ⅜
8	1–9 ⅓	1–4	1–9
9	2–0	1–6	1–11 ⅝
10	2–2 ⅔	1–8	2–2 ¼
11	2–5 ⅓	1–10	2–4 ⅞
12	2–8	2–0	2–7 ½
13	2–10 ⅔	2–2	2–10 ½
14	3–1 ⅓	2–4	3–0 ¾
15	3–4	2–6	3–3 ⅜
16	3–6 ⅔	2–8	3–6
17	3–9 ⅓	2–10	3–8 ⅝
18	4–0	3–0	3–11 ¼
19	4–2 ⅔	3–2	4–1 ⅞
20	4–5 ⅓	3–4	4–4 ½
21	4–8	3–6	4–7 ⅛
22	4–10 ⅔	3–8	4–9 ¾
23	5–1 ⅓	3–10	5–0 ⅜
24	5–4	4–0	5–3
25	5–6 ⅔	4–2	5–5 ⅝
26	5–9 ⅓	4–4	5–8 ¼
27	6–0	4–6	5–10 ⅞
28	6–2 ⅔	4–8	6–1 ½
29	6–5 ⅓	4–10	6–4 ⅛
30	6–8	5–0	6–6 ¾
31	6–10 ⅔	5–2	6–9 ⅜
32	7–1 ⅓	5–4	7–0
33	7–4	5–6	7–2 ⅝
34	7–6 ⅔	5–8	7–5 ¼
35	7–9 ⅓	5–10	7–7 ⅞
36	8–0	6–0	7–10 ½
37	8–2 ⅔	6–2	8–1 ⅛
38	8–5 ⅓	6–4	8–3 ¾
39	8–8	6–6	8–6 ⅜
40	8–10 ⅔	6–8	8–9

*Modular courses to center of approximate ⅜" joints.

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Box 189, Elgin, Texas

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